Daviess GIS 14GIS02 (5)

file 04035

CONTRACT

January 26, 2004

Prepared for:

Daviess County

To Provide

Addressing

WTH ENGINEERING

567 W. Westfield Blvd • Indianapolis, IN 46208 (317) 259-0105 www.wthengineering.com

OVERVIEW

Daviess County (the "Client") is in need of certain mapping or GIS related products and services for use in public safety. WTH Engineering Inc. (the "Company") is a provider of such products and services. This contract defines the scope of products and services to be offered by the Company and the compensation to be paid by the Client.

DESCRIPTION OF PRODUCTS AND SERVICES

Think Map Software

The Client will be provided with **10 Think Map licenses**. This software may be installed on stand alone computers or on a server but use of the software is limited to 10 computers. Each computer where Think Map is used must be registered with The Company. The hardware requirements for using the Think Map software are as follows.

System Requirements	Minimum	Recommended
Operating System	Win98 SE, WinNT 4.1, Win2000, WinXP	
Processor	Pentium or equivalent	PII-300 Mhz or faster
Memory (RAM)	128 MB	256 MB
Available hard disk space required on server or stand alone computers	500 Meg for software + map layers. Plus 2 to 40 Gig for aerial photography images depending on coverage area and resolution.	40 Gig
Available hard disk space required on workstations when data stored on server	Less than 100 Meg.	
Video	15" monitor capable of displaying 16 bit color at 800 X 600 resolution or better.	17" monitor, 16 bit color, 1024 X 768 resolution.
Internet Access	Required for support services	
Other	CD drive, mouse, keyboard,	

Aerial Photography

Digital ortho photos will be included as a background raster image on the map. These photos will come from the USGS and have a 1 meter per pixel resolution and have been orthogonally rectified to remove relief displacement so that ground features are displayed in their true ground position.

Roads, Highways, and Railroads

The Company will digitize each road, highway and railroad to fit on the digital ortho photography. The centerline of all roads, streets, highways, and railroads will be identified on the map. The locations of these features will be determined by the aerial photography and the names will come from city and county maps provided by the Client. If the Roads layer will be used for 911 mapping, then the Client is required to provide the Company with a digital copy of their Master Street Address Guide (MSAG) so that all road name spellings can be checked to exactly match those used in the Client's system.

Water

Waterways such as streams, lakes, and rivers will be drawn on the map and named according to maps provided by the Client.

Boundary Layers
Any towns, emergency response boundaries (ESNs), Commissioner Districts, Townships, County Boundaries, and City Boundaries will be drawn onto the county's base map. The Client must provide a map source on which the boundaries and place names are marked.

Field Inventory of Addresses
The Company will determine the location and identity of the addressed structures in Daviess County, including the cities and towns, and place all of these addresses onto a map layer that can be viewed with Think Map. One hundred percent success cannot be promised in work like this but in order to assure that as many structures as possible are identified, the following procedures will be used:

1) The Company will drive each street and mark the location of every structure that is visible from the road or is visible in the in-car aerial photography when only a driveway can be seen from the road.

2) The Company will record the house number with the structure whenever posted or record any auxiliary information, such as a name, that could be helpful later in determining the address.

3) When the field work is completed for an area, the Company will compare the addresses marked in the field to those listed in an address listing provided by the Client. This listing can be a 911 database, utility records, or any other source determined by the Client to be accurate. During this step, most of the houses not identified in the field can be determined by process of elimination.

4) During the field work stage (steps 1 and 2 above) structures with no posted house number will be left unidentified since most of these will be later identified in step 3. Knocking on the doors of un-marked houses my be required to determine the address.

5) The Company will combine the house numbers gathered in the field with road maps and the Client's MSAG to determine a complete address for each structure including house number, pre direction, street name, and community name.

6) Once completed, the Company will provide the Client with a report and a map listing any structures that could not be identified along with any recorded notes that may serve as hints as to their identity.

On-Site 911 Interface Setup
The Company will come to the Client's site and Interface the Client's existing 911 system with their Think Map software at the County's primary PSAP so that incoming 911 calls will be automatically displayed on the mapping displays of the call takers' screens. This interface will be independent of, and in addition to the existing interface between the Client's CAD software and Think Map. This interface will require the cooperation of the Client's 911 provider and the Client is responsible for any charges imposed by them. Included in the total price of this contract is all travel expenses related to this service.

Wireless Compliance: In addition to automatically locating regular wire line calls, Think Map can also automatically locate wireless 911 calls. For phase I calls, Think Map can automatically zoom to and highlight an approximate coverage area of the antenna where the call was received. This solution assumes that an address is provided in the ALI stream of the 911 call identifying which tower or antenna picked up the call. It also assumes that the Client has cell tower coverage areas drawn on

their map. For phase II calls, Think Map can automatically zoom to and highlight an X on the map marking the longitude/latitude coordinate provided in the call's ALI stream.

DELIVERY AND INVOICING SCHEDULE

	Delivery Date from Contract Signing	Description	Invoice Date from Contract Signing	Amount
Progress Payment	30 Days	Work in progress	30 Days*	$35,800
Progress Payment	60 Days	Work in progress	60 Days*	$35,800
Progress Payment	90 Days	Work in progress	90 Days*	$35,800
Delivery	120 Days	10 Think Map Licenses + the following: Aerial Photography Roads, Highways, & Railroads Water Boundaries Field Inventory of Addresses 911 Interface On-Site Installation and	120 Days*	$35,889
Total GIS Cost		Training	**TOTAL**	**$143,289**
Customer Service		Annual Customer Service		$3,500

* Number of days after the signing of this contract and the delivery of all source materials by the Client. The delivery dates will be reviewed once the contract is signed and may be adjusted if needed.

LIMITATION OF LIABILITY

In no event shall either party be liable to the other for any indirect, special, or consequential damages or lost profits arising out of or related to this agreement or the performance of breach thereof, even if such part has been advised of the possibility thereof.

The Company takes no responsibility for the accuracy of source data provided by the Client or for any errors resulting from any inaccuracies. It is the responsibility of the Client to review the data for accuracy.

SIGNATURE PAGE

IN WITNESS WHEREOF, the parties have executed this Agreement as of this 26th day of January 2004.

Company:
WTH Engineering, Inc.

Signature: Rex E Jones

Name: Rex Jones

Title: President

Date:

Client:
Daviess County, Indiana

Signature:

Name: Steve Myers

Title: President

Date: 1/26/04

Signature:

Name: Dino Tolentino

Title: Vice President

Date: 1/26/04

Signature: JoAnn McCracken

Name: JoANN McCracken

Title: Auditor

Date: January 26, 2004

Signature:

Name: ANTHONY D. WICHMAN

Title: Secty

Date: 1-26-04

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